

IAP10 Rec'd PCT/PTO 19 DEC 2005

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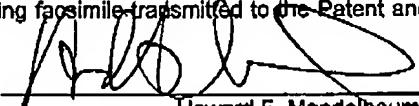
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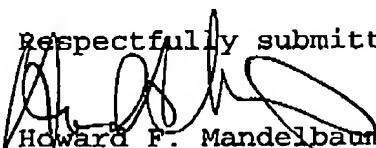
BY FAX NO. 1-571-273-8300 - 11 Pages

Commissioner for Patents
 P.O. Box 1450
 Alexandria, VA 22313-1450

Re: U.S. Patent Application Serial No. 10/522,332
 Method for Making a Tool for Forming a Material and Tool
 Obtainable by said Method
 Chapuis, Philippe
 Our Ref: MART0860US

Sir:

Transmitted herewith for filing are an Information Disclosure Statement with form PTO/SB/08A, and 1 cited reference.

Respectfully submitted,

 Howard F. Mandelbaum
 Reg. No. 27,519

HFM/mic
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

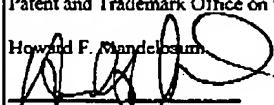
Application of: Chapuis, Philippe

For: Method for Making a Tool for Forming a Material and Tool
Obtainable by said Method

Serial No.: 10/522,332

Attorney Docket No.: MART0860US

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Howard F. Mandelbaum

Dated: December 19, 2005.

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December 19, 2005

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

INFORMATION DISCLOSURE STATEMENT

Applicant wishes to call to the attention of the Examiner, as prior art cited in a corresponding foreign application, U.S. Patent No. 3,577,753 †to Shah for a Method and Apparatus for Forming Thin-Walled Cylindrical Articles. A copy of the reference is submitted herewith as is a completed form PTO-1449.

Applicant's invention teaches and claims a method for making a tool, and a tool made by the method. The tool has a face which is complementary to an object which is to be stamped or molded by the tool. The face is made up of several "tool slices" which are bonded to form the tool. Also formed within Applicant's tool is a circuit

for conducting a heat transfer fluid for cooling or heating the tool.

Independent claim 1 of the instant application requires

said method including designing a contour of the tool to be produced, which has a projected forming face having said complementary shape, and devising, on the inside of said projected contour, according to said complementary shape, a projected circuit for the circulation of a heat-transfer fluid inside the tool to be produced,

c: juxtaposing the tool slices via their mating faces and mutually fastening them in a relative position in which the useful faces or said blanks, the passages and the grooves are complementary from one slice to the other slice in order to constitute, respectively, the forming face or a forming face blank. . .

Independent claim 9 of the instant application recites

A tool intended for the forming of a material, in particular by hot drawing or injection molding, for the purpose of making an object of defined shape therefrom, said tool having for this purpose a forming face of shape complementary to at least one portion of said defined shape. . .

said tool comprising a bonded assembly of tool slices mutually juxtaposed by mating faces. . .

Shah discloses a forming tool including a several stacked dies, namely redraw die 16 and ironing dies 17. If the dies 16 and 17 are considered to be "tool slices" they do not anticipate any of the claims of the present invention, or render them obvious, as the dies 16 and 17 are separate, individual tools through which a flat

blank is drawn and ironed successively by means of a punch 12, in order to undergo successive shapings. Unlike Applicant's tool which operates on the object to be formed in a single operation, the dies 16 and 17 sequentially form the object as it is pressed through them, one at a time. Nor do the dies 16 and 17 provide a tool having "a forming face" of shape complementary to at least one portion of a defined shape which should be given to an object formed by means of the tool.

Moreover, the redraw die 16 and ironing dies 17 disclosed by Shah are not complementary to one another, i.e., they do not have "mating faces" as required by claims 1 and 9, the only independent claims in the application.

Also, each redraw die 16 and ironing die 17 is an individual tool. Each is made of one piece and does not incorporate any circuit for circulating a heat transfer fluid inside it as disclosed and claimed by Applicant. Circulation of a heat transfer fluid takes place in Shah's punch 12 through punch adapter 28, punch body 29 and O-ring 30. These components are not tool slices as defined by Applicant. Punch body 29 is made in a single piece and, therefore, does not meet the recitations of claims 1 and 9 which refer to a tool made from "slices". The punch adapter 28 and O-ring 30 are not tool slices.

From the foregoing it is seen that the cited reference does not affect the patentability of the claims in the instant application.

Respectfully Submitted,


Howard F. Mandelbaum
Registration No. 27,519
Attorney for Applicant

HFM:cnt
enc.

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PTO/SB/08A (08-03)

Approved for use through 07/31/2006, OMB 0651-0031

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Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 1

Complete If Known

Application Number	10/522,332
Filing Date	
First Named Inventor	Chapuis
Art Unit	
Examiner Name	
Attorney Docket Number	MART0860US

U. S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

Examiner Signature _____ **Date Considered** _____

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